

# Jean-Baptiste Lopez

## Qualifications / Affiliations

Aarhus university, Aarhus - PhD in  
Phytopathology, Molecular Biology,  
Microbiology

August 2014 - November 2017

Université Montpellier 2, Montpellier -  
Masters in Plant functional biology  
specialisation Host-Microbe interaction

September 2012 - June 2014

Université Montpellier 2, Montpellier —  
Bachelor

BSc in Microbiology

September 2010 - June 2012

## Year of Birth

1989

## Nationality

French

## Languages

French (mother tongue)

English

Spanish (Basic)

Danish (Basic)

## Contact

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## Current Position at CWA

Jean-Baptiste Lopez joined the Food & Agricultural Commodities Department as a Food Scientist in 2019.

Jean-Baptiste has a broad background in plant biological sciences including physiology, microbiology, molecular biology and biochemistry. He applies these scientific principles when investigating microbiological deterioration of food and feed cargoes. He is very familiar with the analytical quantification of mycotoxins in cereal crops. He taught practical courses on HPLC during his time at Aarhus University. He has extensive experience with GMO handling and understanding GMO technologies within the Agri science. He also designed sampling regimes for cereal crops.

He routinely provides advice to P&I Clubs and their members on claims regarding food and agricultural commodities (Soyabean, Rice, Wheat, Barley, DDGS, Seedcakes ...)

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## Summary of Previous Work Experience

**January 2018 –  
July 2018**

**Aarhus University, PM Lab, Aarhus**  
Research assistant (Post-doc)

Led and completed the analysis of the data from a RNA seq experiment (NGS). Analysed differential gene expression analysis and identified new clusters and gene candidates for my fungus pathogenicity.

**August 2014 –  
November 2017**

**Aarhus University, PM Lab, Aarhus**  
PhD Fellow

Identified, cloned and expressed effector proteins of an emerging Barley pathogen. Characterized in planta three of them.

**March 2013 –  
July 2013**

**CNRS, LEM, Lyon**  
Intern

Characterized a microbial protein with PGPR property on the root architecture of Arabidopsis thaliana and Rice.

## Attendances

### Bangladesh

- Investigation into sand contamination in a cargo of wheat.

### Belgium

- Shipboard inspection of a bulk rice cargo damaged during sea voyage.

### Egypt

- Shipboard inspection of a heat and fire damaged cargo of DDGS.

### Israel

- Shipboard inspection of a yellow maize cargo delayed at anchorage.

### Italy

- Shipboard inspection of a wheat cargo suspected to be contaminated by Tilletia indica.

### **Ivory-Coast**

- Warehouse inspection of a fertilizer cargo.

### **Norway**

- Warehouse inspection of pharmaceutical products damaged by improper storage conditions.

### **Spain**

- Shipboard inspection of a shea kernels cargo.

### **Turkey**

- Shipboard inspection of organic soyabeans carried in bags.

### **Publications**

(Pending)

- Comparative transcriptomic analysis of two *Ramularia collo-cygni* isolates when infecting two barley cultivars - About to be sent for peer review.
- Characterisation of *Ramularia collo-cygni* chitin binding effectors - Manuscript in preparation.